

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 19/09

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5069488 A (FREYER ET AL), 3 December 1991 (03.12.1991), abstract --	1-8
A	WO 0177483 A1 (HITEC ASA), 18 October 2001 (18.10.2001), abstract --	1-8
A	US 4432420 A (GREGORY ET AL), 21 February 1984 (21.02.1984), column 3, line 61 - column 4, line 41 -----	1-8

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

11 August 2004

Date of mailing of the international search report

12 -08- 2004

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

03/07/2004

National application No.

PCT/NO 2003/000384

US 5069488 A 03/12/1991

BR	8907159 A	26/02/1991
DE	68918937 D,T	11/05/1995
DK	159790 A	06/09/1990
EP	0408685 A,B	23/01/1991
SE	0408685 T3	
NO	169027 B,C	20/01/1992
NO	885006 A	10/05/1990
WO	9005236 A	17/05/1990

WO 0177483 A1 18/10/2001

AU	3336500 A	23/10/2001
BR	0017176 A	10/12/2002
CA	2400736 A	18/10/2001
EP	1266118 A	18/12/2002

US 4432420 A 21/02/1984

NONE